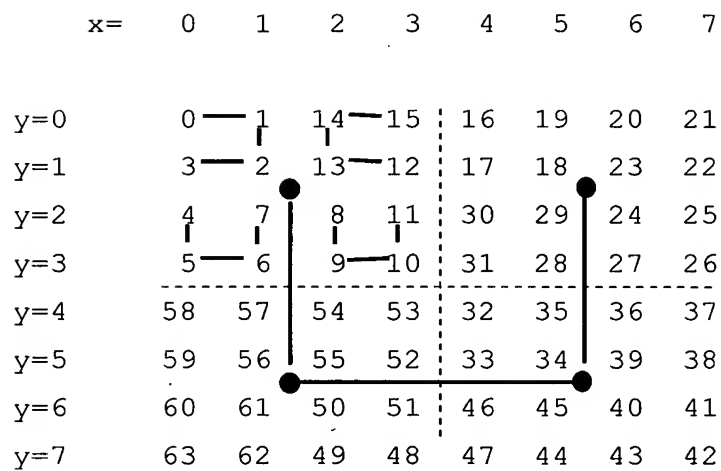x=    0   1   2   3   4   5   6   7

y= 0    0   1   4   5 ┊ 16  17  20  21
y= 1    2   3   6   7 ┊ 18  19  22  23
y= 2    8   9  12  13 ┊ 24  25  28  29
y= 3   10  11  14  15 ┊ 26  27  30  31
y= 4   32  33  36  37 ┊ 48  49  52  53
y= 5   34  35  38  39 ┊ 50  51  54  55
y= 6   40  41  44  45 ┊ 56  57  60  61
y= 7   42  43  46  47 ┊ 58  59  62  63

**Fig. 1a**

x=    0   1   2   3   4   5   6   7

y=0    0   1  14  15 ┊ 16  19  20  21
y=1    3   2  13  12 ┊ 17  18  23  22
y=2    4   7   8  11 ┊ 30  29  24  25
y=3    5   6   9  10 ┊ 31  28  27  26
y=4   58  57  54  53 ┊ 32  35  36  37
y=5   59  56  55  52 ┊ 33  34  39  38
y=6   60  61  50  51 ┊ 46  45  40  41
y=7   63  62  49  48 ┊ 47  44  43  42

**Fig. 2**

| x= | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| y= 0 | 0 | 1 | 4 | 5 | 16 | 17 | 20 | 21 |
| y= 1 | 2 | 3 | 6 | 7 | 18 | 19 | 22 | 23 |
| y= 2 | 8 | 9 | (12 | 13) | 24 | 25 | 28 | 29 |
| y= 3 | 10 | 11 | (14 | 15) | 26 | 27 | 30 | 31 |
| y= 4 | 32 | 33 | (36 | 37) | 48 | 49 | 52 | 53 |
| y= 5 | 34 | 35 | (38 | 39) | 50 | 51 | 54 | 55 |
| y= 6 | 40 | 41 | 44 | 45 | 56 | 57 | 60 | 61 |
| y= 7 | 42 | 43 | 46 | 47 | 58 | 59 | 62 | 63 |

**Fig. 1b**



**Fig. 3**
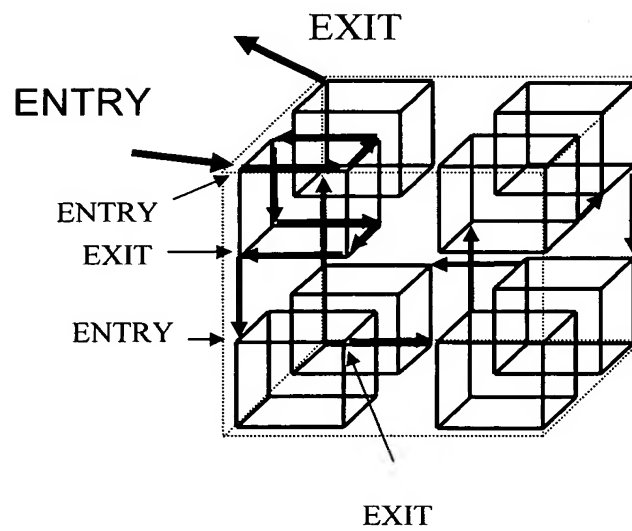
```
Expl.1 Expl.2: Expl.3: Expl.4: Expl.5:


                 f:  101


0:  00   0:  000   0:  101   0:  011   0:  100
1:  01   1:  001   1:  100   1:  001   1:  110
2:  11   2:  011   2:  110   2:  101   2:  111
3:  10   3:  010   3:  111   3:  111   3:  011
         4:  110   4:  011   4:  110   4:  001
         5:  111   5:  010   5:  100   5:  000
         6:  101   6:  000   6:  000   6:  011
         7:  100   7:  001   7:  010   7:  101
```

**Fig. 4**

```
    zyx      zyx   Tab(0)=(000/+2)
0||000(a)||000(a)  000  (a)
    000       ..       010
    000       ..       110
    000       ..       100
    000       .. >>    101                    (c): see text
    000       ..       111
    000       ..       011
    000       ..1(b)   001
------------------------------------
1   001        0(b)                           (b): x bit changing in opposite
    001       ...
way
    ...       ...
    001       .1.(b)
------------------------------------
2   011       .0.(b)
    ...       ...
    011       ..0(b)
------------------------------------
3   010       ..1(b)  011  Tab(3)=(011/0)
    ...       ...     ...
              >>           000 XOR 011=011
                           100 XOR 011=111
    010       1..(b)  111
------------------------------------
4   110       0..(b)
              ...
    110       ..1(b)
------------------------------------
5   111       ..0(b)
    ...       ...
    111       .0.(b)
------------------------------------
6             Tab(6)=(110/+1)
    101       .1.(b)  0 ||110(a)   110(a)
                          110      ...
                          ...
    101               1   010
    101               2   011
                          Sub-Sub-Cube:
                      ConcatTab(3)=(011/0)with
                      Tab(6)=(110/+1)
    101               3   111      011
                      3   111      010
                      3   111      000
                      3   111      001
                      3   111      101
                      3   111      100
                      3   111      110
                      3   111      111
    101               4   101
    101               5   001
    101               6   000
    101       ..0(b)  7  ||100(a)      100  (a)
    ------------------------------------
7   100       ..1(b)                          (a): main
entry/exit
    ..         ..                             bitblocks
identical
  ||100   ||100(a)
```

Fig. 5

```
Primitive 1D, 2 bit, Data Cube:
  1st bit:   0------>1
  2nd bit:   0-->1-->0-->1

z   z    yz  yz      yz  yz      xyz   xyz
0   0    00  00      00  00      000   000
    1        01          01            001
1   0    01  00      01  00      001   000
    1       >01<         >10<          010
         -----------------------------------
         11 >11<      11 >00<    011   000
            10           10            010
         10  11      10  11      010   011
            10           10           >111<
                                 ==========
                                 110  >011<
                                       111
                                 111   110
                                       100
                                 -------------
                                 101   110
                                       100
                                 100   101
                                       100
    (a)         (b)          (c)         (d)
```

**Fig. 6**